

### Amendments to the Abstract

*A3*

~~The present invention provides~~ Aarray systems that facilitate the simultaneous monitoring of many interactions between biological molecules and the analysis of cellular protein interactions with high throughput. ~~Biomolecule arrays according to the present invention provide a flexible and general tool and will allow biological researchers to probe cellular protein interactions with high throughput. In certain embodiments, t~~The present invention provides methods and arrays for analyzing biochemical pathways comprising the steps of by forming an array of immobilized biomolecules; exposing thesaid array to biomolecules in solution; and detecting modification of the immobilized biomolecules, modification of the biomolecules in solution, and/or binding of biomolecules in solution to immobilized biomolecules.